

REMARKS/ARGUMENTS

Claims 1-9, 19, 22-23, 25 and 27 are cancelled.

Support for each amended claim is found at the originally filed claims and throughout the originally filed specification.

No new matter is believed to have been added.

The obviousness rejection of Claims 10-18, 20-21, 23-24 and 26 as being unpatentable in view of Ding is respectfully traversed because Ding does not describe or suggest all of the features of present Claim 10, for example, and the claims depending therefrom. Present Claim 10 contains the feature that the irradiated resin molded article is crosslinked by irradiating, with an electron beam, wherein “the irradiation dose of the electron beam is from 5 to 200 in Mrad.” As described at page 4 of the Official Action, Ding does “not teach irradiation with a single dose of from 5 to 200 Mrad.” Accordingly, the Office has asserted, at page 4 of the Official Action, that “It is well known in the art that a sterilizing dose of radiation is generally from 2 to 5 Mrads.” Applicants respectfully disagree with the Office’s assertion, and respectfully request that the Examiner provide one of either an affidavit (as required under 37 C.F.R. § 1.104 d(2)) or a publication to support the assertion, or in the alternative, withdraw the assertion and the obviousness rejection.

Further, Applicants note that the molded article is irradiated with the electron beam for the purpose of crosslinking. Ding, in Claim 78, discloses irradiating with a dose of from about 15 kGys to about 45 kGys, which is equivalent to about 1.5 to about 4.5 Mrad. Applicants submit the dose of about 1.5 to about 4.5 Mrad is not enough to accomplish crosslinking.

Further, present Claim 10 contains the feature “in which the energy of the electron beam is from 20 to 5,000 kV.” Applicants respectfully submit Ding does not describe or suggest this claim feature.

Withdrawal of the obviousness rejection is respectfully requested.

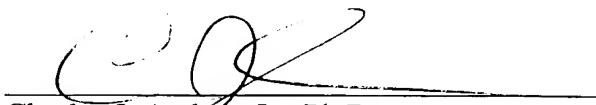
The obviousness rejection of Claims 10-18, 20-21, 24 and 26 as being unpatentable in view of Ding combined with Doheny, Jr. is respectfully traversed, because Applicants respectfully submit there is no motivation to combine the references.

Applicants submit Doheny, Jr. does not specifically describe irradiation of syndiotactic 1,2-polybutadiene and Ding is drawn to a polymer blend that contains a first and second 1,2-polybutadiene (see, for example, the Abstract of Ding). Further, Ding's polymer blend is for fabricating medical products (see, for example, the Abstract of Ding), whereas medical applications are not described or suggested by Doheny, Jr. Accordingly, Applicants submit there is no motivation to combine the references. Withdrawal of the obviousness rejection is respectfully requested.

Applicants submit the present application is now in condition for allowance. Early notification to this effect is earnestly solicited.

Respectfully submitted,

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